

Patent Claims

1. A method for the production of heterologous proteinaceous substances in plant material,
5 characterized in that protonema moss tissue is used as plant material and that the proteinaceous substances produced are obtained from the culture medium without disrupting the producing tissues or cells.
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2. The method according to claim 1, characterized in that the proteinaceous substance released into the culture medium is biologically active.
- 15 3. The method according to claim 1 or 2, characterized in that a culture medium is used which is free from sugars, vitamins and phytohormones or functional fragments thereof.
- 20 4. The method according to any of claims 1 to 3, characterized in that the moss tissue is selected from the group of the mosses including liverworts.
5. The method according to claim 4, characterized in
25 that the moss tissue is selected from mosses of the group consisting of *Physcomitrella*, *Funaria*, *Sphagnum* and *Ceratodon*.
6. The method according to claim 4, characterized in
30 that the moss tissue is selected from liverworts of the group consisting of *Marchantia* and *Sphaerocarpos*.

AMENDED SHEET